

University of Portland
School of Engineering

EE 262
Spring 2014
A. Inan

Homework # 8-Fourier Transform

(Assigned: Wednesday, April 16, 2014)

(Due: Friday, April 25, 2014, 9:15a.m.)

These problems are assigned from Engineering Signals and Systems by Ulaby/Yeagle (2013) (pages 237-244):

- 5.39. Fourier transform of a waveform.**
- 5.40. Fourier transform of a waveform.**
- 5.43. Fourier transform of a waveform.**
- 5.47. Fourier transform of a waveform.**
- 5.51. Properties of Fourier transform.**
- 5.55. Fourier transform of a waveform.**

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #8-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 262/Spring 2014 on the upper left corner of the first sheet.
- 4) Solve each problem on a separate sheet unless your solution is very short.
- 5) Box all of your answers.
- 6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.

An important reminder:

EE 262-Final Exam is on Tuesday, April 29, 2014, 13:30-15:30.
Closed book exam, formula sheets are allowed.